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(4)	Initial value	Jobin -	Nell	Null	Null	0		Null	PRINTER	Null	NORMAL	Unknown	NotSpooled	WaitingFor Job	WaitingFor Job	o	NotStarled	NotStarted	Uptime
1 K	Description	Job ID	ID of the PCM through which the job was received	Personality of the PCM through which the job was received	Priority of the PCM through which the job was received	Number of bytes received by the MUX through	calls to the apsPDIData routine by a primary source PCM. This includes all PCMs except the despooler (it is not a primary source PCM)	URL of the job (pull print only)	Output requested by PCM for tale job(Printer. Spooler, Either)	Output assignment attribute for the job (Printer, Spooler, Wait, Rejected)	File fortnat indicator (PDF)	State of the job in the MUX	State of the job in the spooler	State of the job in the interpreter	State of the job in the engine	This is the number of bytes read by the interpreter through calls to the PMDD Read poutine.	Status of output to printer (not started, in progress, completed)	Status of job being spooled (not started, in progress, completed)	Timestamp (printer up time) of last attribute update
314	Attribute	Joh ID	PCM ID	Personality	PCM Priority	MUX receive byte count	/	URL of the job	Output request attribute for the job	Output assignment attribute	File fortnat indicator (PDF)	Mux Job State	Spooler Job State	Interpreter Job State	Engine Job State	PMDD bytes read	MUX punter output status	MUX Spooling status	Timestamp
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## MUX Job State Diagram

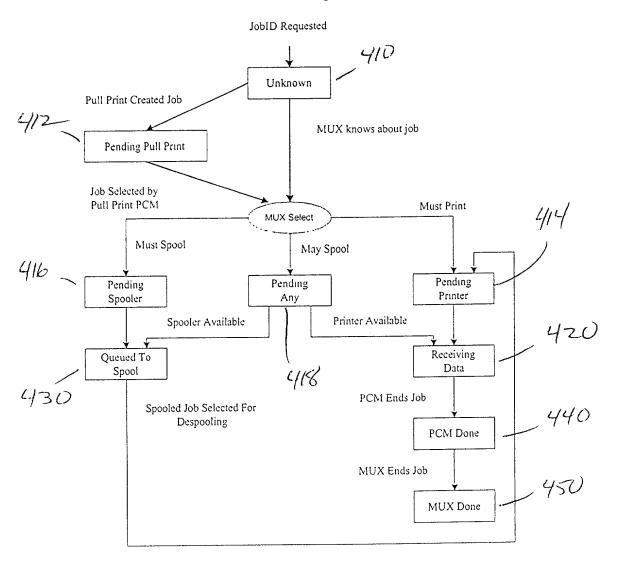


Fig. 4

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## Spooler State Diagram

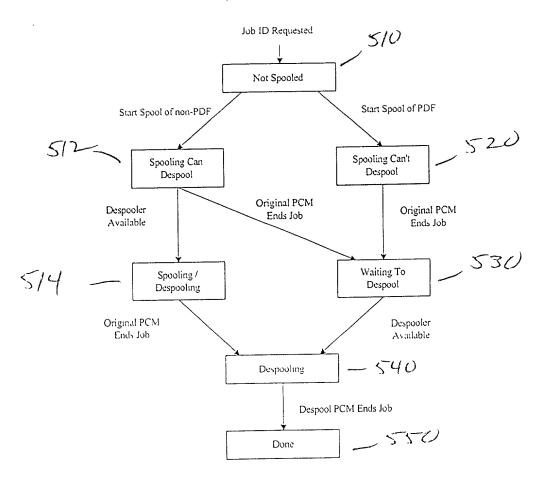
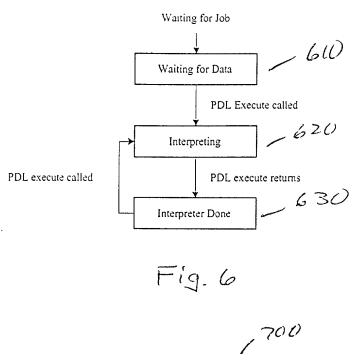


Fig. 5



## Interpreter Job State Diagram



## Engine Job State Diagram

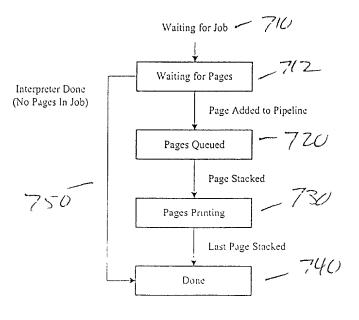


Fig. 7

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Process	From State	To State	Changed by
MUX	Unknown	Pending Printer	MUX OS Thread
	Unknown	Pending Any	MUX OS Thread
	Unknown	Pending Spooler	MUX OS Thread
	Unknown	Pending Pull Print	Pull Print wppSubmitJob
	Pending Printer	Receiving Data	MUX OS Thread
	Pending Any	Receiving Data	MUX OS Thread
	Pending Spooler	Queued to Spool	MUX OS Thread
	Pending Any	Queued to Spool	MUX OS Thread
	Queued to Spool	Pending Printer	MUX OS Thread
	Receiving Data	Done	MUX apsPDIEnd
Spooler	Not Spooled	Spooling Can Despool	sp-open
	Spooling Can Despool	Spooling / Despooling	sp-coj
	Spooling Can Despool	Waiting to Despool	sp-coj
	Spooling / Despooling	Despooling	Despool PCM
	Not Spooled	Spooling Can't Despool	sp-open
	Spooling Can't Despool	Waiting to Despool	sp-coj
	Waiting to Despool	Despooling	Despool PCM
	Despooling	Donc	Despool PCM
Interpreter	any	any	event announce callback
Enginc	an7	any	event announce callback

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			_			026/
Attribute ID	Type	Rel.	RO/ RW	IPP	SNMP	Notes
JM-ATTR JOB-ID	lht	_	RO			Set hv. IM
JM-ATTR-PCM ID	Int (Enum)	_	RW			Set by M1X
JM-ATTR PCM-PERSONALITY	Int (Enum)		RW			Set by MIIX
JM-ATTR-PCM-PRIORITY	Int	_	RW			Set by MIX
JM-ATTR-SPOOLED-BYTES	Int	_	RW			Set by MIX
JM-ATTR-URL	String	_	RW			Set by Wpp
JM-ATTR-OUTPUT-REQUEST	Int (Enum)		RW			
IM-ATTR-FILE-FORMAT	Int (Enum)		RW			1
JM-ATTR-MUX-STATE	Int (Enum)	_	RW			
JM-ATTR-SPOOL-STATE	Int (Enum)	_	RW			Action of the possible states.
JM ATTR INTERPRETER STATE	Int(Emnn)		RO			See by 10 COLERY Enturn Will be created to list the possible states.
JM-ATTR-ENGINE-STATE	Int (Enum)	_	RO RO			Set by 19 Fig. 11 and with the created to list the possible states
JM-ATTR-JOB-STATE	Int (bitfields or			Yes	Yes	Done by JM Convert from JM-ATTR * STATE attributes
	аттау of ınt's?)					
JM ATTR-PAGES-SUBMITTED	Int	-	КО			Set by JM. This is the number of pages submitted into the pipeline by the interpreter (incremented once for each
JM-ATTR-TOTAL-PAGES IN JOB	Int		RO			Set by M. This is the total number of pages, including all copies of each page, which have been submitted into
JM ATTR TOTAL PAGES STACKED	Lnt		RO			Set by JM. This is tile total number of pages that have been stacked by the engine (incremented for each copy of
JM-ATTR-RECEIVED-BYTES	lnt		RW			a page). Set by MIX The MIX should assume the street of th
						be counted when they are received from the host not from the counted when they are specified (i.e., the bytes should only
UM-AITR-BYTES-PROCESSED	Lnt	_	RW		<u></u>	Set by PMDD
JM-ATTR-LAST-MODIFIED	Int		RO		رق	Set by JM. This is a timestamp (or count) used to tell if data modified since her should determine
JIM ATTR-CANCEL-INITIATOR	Inl (Enmn)		RW	Yes	Yes	Set by requestel of cancel. This is who required the monal invariance and careful into Value.
JM-ATTR-CANCEL	Lnt		RW			Set by [M (or 1908)) O if not conceiling 1 is a set of the conceiling 1 is
JM-ATTR-OPEN COUNT	TH.	_	RO			Set by JM. Not read by others. Used to know how many people have this handle open (have not called destroy
JM-ATTR-COPY-SET	Int		RO			Set by M. This is the case for the least of
JM-ATTR-COPY-COUNT	Int		RO			Set by IM. This is the contraction for the stacked if doing collation
JM-ATTR-COLLATE	Int		RW			The if collated table subservices
JM-ATTR-DUPLEX	Int		RW			The if Johns duplay folco advances
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